

CPC**COOPERATIVE PATENT CLASSIFICATION****A23F****COFFEE****TEA****THEIR SUBSTITUTES**

MANUFACTURE, PREPARATION, OR INFUSION THEREOF (coffee or tea pots [A47G 19/14](#); tea infusers [A47G 19/16](#); apparatus for making beverages, e.g. coffee or tea, [A47J 31/00](#); coffee mills [A47J 42/00](#))

Guide heading:**A23F 3/00****Tea****Tea substitutes****Preparations thereof**

- [A23F 3/06](#) . Treating tea before extraction (reducing or removing alkaloid content [A23F 3/36](#))
Preparations produced thereby (tea extract preparations [A23F 3/16](#))
- [A23F 3/08](#) . . Oxidation
Fermentation
- [A23F 3/10](#) . . . Fermentation with addition of micro-organisms or enzymes
- [A23F 3/12](#) . . Rolling or shredding tea leaves
- [A23F 3/14](#) . . Tea preparations, e.g. using additives (flavouring [A23F 3/40](#))
- [A23F 3/16](#) . Tea extraction
Tea extracts
Treating tea extract
Making instant tea
- [A23F 3/163](#) . . {Liquid or semi-liquid tea extract preparations, e.g. gels, liquid extracts in solid capsules }
- [A23F 3/166](#) . . {Addition of, or treatment with, enzymes or micro-organisms }
- [A23F 3/18](#) . . Extraction of water soluble tea constituents ({[A23F 3/166](#) takes precedence } ; isolation of tea flavour or tea oil [A23F 3/42](#))
- [A23F 3/20](#) . . Removing unwanted substances ({[A23F 3/166](#) takes precedence } ; reducing or removing alkaloid content [A23F 3/38](#))
- [A23F 3/205](#) . . . {Using flocculating or adsorbing agents }
- [A23F 3/22](#) . . Drying or concentrating tea extract { ([A23F 3/166](#) takes precedence) }
- [A23F 3/225](#) . . . {by evaporation, e.g. drying in thin layers, foam drying ([A23F 3/26](#) and [A23F 3/28](#) take precedence) }
- [A23F 3/24](#) . . . by freezing out the water
- [A23F 3/26](#) . . . by lyophilisation
- [A23F 3/28](#) . . . by spraying into a gas stream
- [A23F 3/30](#) . . Further treatment of dried tea extract
Preparations produced thereby, e.g. instant tea ({[A23F 3/166](#) takes precedence } ; flavouring [A23F 3/40](#))
- [A23F 3/32](#) . . . Agglomerating, flaking or tableting {or granulating }

- A23F 3/34
 - . Tea substitutes, e.g. maté
 - Extracts or infusions thereof
- A23F 3/36
 - . Reducing or removing alkaloid content
 - Preparations produced thereby
 - Extracts or infusions thereof
- A23F 3/363
 - .. {by addition of alkaloid neutralising or complexing agents ([A23F 3/166](#) takes precedence) }
- A23F 3/366
 - .. {by extraction of the leaves with selective solvents }
- A23F 3/38
 - .. Reducing or removing alkaloid content from tea extract
- A23F 3/385
 - ... {using flocculating, precipitating, adsorbing or complex-forming agents, or ion-exchangers }
- A23F 3/40
 - . Tea flavour
 - Tea oil
 - Flavouring of tea or tea extract ([synthetic tea flavours A23L 1/226](#))
- A23F 3/405
 - .. {Flavouring with flavours other than natural tea flavour or tea oil }
- A23F 3/42
 - .. Isolation {or recuperation } of tea flavour or tea oil
- A23F 3/423
 - ... {by solvent extraction; Tea flavour from tea oil }
- A23F 3/426
 - ... {by distillation, e.g. stripping leaves; Recovering volatile gases (flavour from tea oil [A23F 3/423](#)) }
- A23F 5/00**
 - Coffee**
 - Coffee substitutes**
 - Preparations thereof**
- A23F 5/02
 - . Treating green coffee
 - Preparations produced thereby ([roasting A23F 5/04](#); [removing unwanted substances A23F 5/16](#); [reducing or removing alkaloid content A23F 5/20](#); [extraction A23F 5/24](#))
- A23F 5/04
 - . Methods of roasting coffee ([machines therefor A23N 12/00](#))
- A23F 5/043
 - .. {in the presence of inert particles }
- A23F 5/046
 - .. {with agitation or transportation of the beans by gases; Fluidised-bed roasting or fluidised-bed cooling after roasting ([A23F 5/043](#) takes precedence) }
- A23F 5/06
 - .. of roasting extracted coffee; {Caramelisation of coffee extract }
- A23F 5/08
 - . Methods of grinding coffee ([coffee mills A47J 42/00](#))
- A23F 5/10
 - . Treating roasted coffee
 - Preparations produced thereby ([removing unwanted substances A23F 5/16](#); [reducing or removing alkaloid content A23F 5/20](#); [coffee extraction, making instant coffee A23F 5/24](#))
- A23F 5/105
 - .. {Treating in vacuum or with inert or noble gases; Storing in gaseous atmosphere; Packaging }
- A23F 5/12
 - .. Agglomerating, flaking or tableting ([of coffee extract or instant coffee 5/38](#))
- A23F 5/125
 - ... {Tablets or other similar solid forms }
- A23F 5/14
 - .. using additives, e.g. milk, sugar
 - Coating, e.g. for preserving ([flavouring A23F 5/46](#))
- A23F 5/145
 - ... {Coating whole beans with a layer }

- A23F 5/16 . Removing unwanted substances (reducing or removing alkaloid content [A23F 5/20](#))
- A23F 5/163 . . {using enzymes or micro-organisms }
- A23F 5/166 . . {by extraction of the beans, ground or not, with selective solvents other than water or aqueous bean extracts, including supercritical gases }
- A23F 5/18 . . from coffee extract { ([A23F 5/163](#) takes precedence) }
- A23F 5/185 . . . {using flocculating, precipitating, adsorbing or complex-forming agents, or ion-exchangers }

- A23F 5/20 . Reducing or removing alkaloid content
Preparations produced thereby
Extracts or infusions thereof
- A23F 5/202 . . {by addition of alkaloid neutralising or complexing agents }
- A23F 5/204 . . {using enzymes or micro-organisms }
- A23F 5/206 . . {by extraction of the beans with selective solvents other than water or aqueous bean extracts, including supercritical gases }
- A23F 5/208 . . {by extraction of the beans with water, aqueous solutions without organic or inorganic solvents, or aqueous coffee extract }
- A23F 5/22 . . Reducing or removing alkaloid content from coffee extract
- A23F 5/223 . . . {using flocculating, precipitating, adsorbing or complex-forming agents, or ion-exchangers }
- A23F 5/226 . . . {by extraction with selective solvents }

- A23F 5/24 . Extraction of coffee
Coffee extracts (with reduced alkaloid content [A23F 5/20](#))
Making instant coffee (methods of roasting extracted coffee [A23F 5/06](#))
- A23F 5/243 . . {Liquid, semi-liquid or non-dried semi-solid coffee extract preparations; Coffee gels; Liquid coffee in solid capsules ([A23F 5/246](#) takes precedence) }
- A23F 5/246 . . {Addition of, or treatment with, enzymes or microorganisms ([A23F 5/163](#) and [A23F 5/204](#) take precedence) }
- A23F 5/26 . . Extraction of water-soluble constituents ({ [A23F 5/246](#) takes precedence } ; isolation of coffee flavour or coffee oil [A23F 5/48](#))
- A23F 5/262 . . . {the extraction liquid flows through a stationary bed of solid substances, e.g. in percolation columns }
- A23F 5/265 . . . {the solid substances are transported through the apparatus during the extraction cycle }
- A23F 5/267 . . . {using additives, specific extraction media or specific coffee blends }
- A23F 5/28 . . Drying or concentrating coffee extract { ([A23F 5/246](#) takes precedence) }
- A23F 5/285 . . . {by evaporation, e.g. drying in thin layers, foam drying ([A23F 5/32](#) and [A23F 5/34](#) take precedence) }
- A23F 5/30 . . . by freezing out the water
- A23F 5/32 . . . by lyophilisation
- A23F 5/34 . . . by spraying into a gas stream
- A23F 5/36 . . Further treatment of dried coffee extract
Preparations produced thereby, e.g. instant coffee ({[A23F 5/246](#) takes precedence } ; removing unwanted substances [A23F 5/18](#); flavouring [A23F 5/46](#))
- A23F 5/38 . . . Agglomerating, flaking or tableting {or granulating }
- A23F 5/385 {Tablets or other similar solid forms }

- A23F 5/40 . . . using organic additives, e.g. milk, sugar
- A23F 5/405 {comprising ground coffee or ground coffee substitute particles }
- A23F 5/42 . . . using inorganic additives
- A23F 5/44 . Coffee substitutes
- A23F 5/46 . Coffee flavour
Coffee oil
Flavouring of coffee or coffee extract ([synthetic coffee flavours A23L 1/234](#))
- A23F 5/465 . . {Flavouring with flavours other than natural coffee flavour or coffee oil }
- A23F 5/48 . . Isolation {or recuperation } of coffee flavour or coffee oil
- A23F 5/483 . . . {by solvent extraction of the beans, ground or not }
- A23F 5/486 . . . {by distillation from beans, ground or not, e.g. stripping; Recovering volatile gases, e.g. roaster or grinder gases }
- A23F 5/50 . . . from coffee extract
- A23F 5/505 {by distillation, e.g. stripping the extract; Recovering volatile gases, e.g. during concentration }

Guide heading:

A23F 2200/00 Special features